

## 03050208-120

(Great Swamp)

### General Description

Watershed 03050208-120 is located in Jasper County and consists primarily of **Great Swamp** and its tributaries. The watershed occupies 81,764 acres of the Lower Coastal Plain and Coastal Zone regions of South Carolina. The predominant soil types consist of an association of the Rains-Paxville-Albany-Lynchburg series. The erodibility of the soil (K) averages 0.17, and the slope of the terrain averages 1%, with a range of 0-2%. Land use/land cover in the watershed includes: 54.6% forested land, 28.0% forested wetland, 9.7% agricultural land, 5.9% barren land, 0.8% nonforested wetland, 0.6% urban land, and 0.4% water.

Great Swamp accepts drainage from Calfpen Bay (Gillison Branch), Poli Bay, Switzerland Canal (Broad Water, Wagon Branch), Darn Swamp, Green Swamp, and Bagshaw Swamp (Sand Branch, Buck Bay). Further downstream, Great Swamp accepts drainage from Kato Bay, Shingle Swamp, Causeway Swamp (Hog Crawl Swamp, Fivemile Swamp, Halfmoon Bay, Sixmile Swamp, Sevenmile Swamp, Bahama Swamp), Thomas Swamp, and Garrett Lake. There are a total of 46.8 stream miles and 67.8 acres of lake waters in this watershed, all classified FW.

### Surface Water Quality

<u>Station #</u>	<u>Type</u>	<u>Class</u>	<u>Description</u>
MD-129	W	FW	GREAT SWAMP AT US 17

**Great Swamp (MD-129)** – Aquatic life uses are fully supported. This is a blackwater swamp system, characterized by naturally low pH and dissolved oxygen concentrations. Although dissolved oxygen and pH excursions occurred, they were typical of values seen in blackwater swamps and are considered natural, not standards violations. Recreational uses are partially supported due to fecal coliform bacteria excursions.

### NPDES Program

#### Active NPDES Facilities

<i>RECEIVING STREAM FACILITY NAME PERMITTED FLOW @ PIPE (MGD)</i>	<i>NPDES# TYPE COMMENT</i>
WWTP PRIOR TO DISPOSAL BJW&SA/OKATIE WATER RECLAIM. FACILITY PIPE #: 001 FLOW: 3.2	SC0047279 MAJOR DOMESTIC

## Nonpoint Source Management Program

### *Land Disposal Activities*

#### **Landfill Facilities**

<i>LANDFILL NAME</i>	<i>PERMIT #</i>
<i>FACILITY TYPE</i>	<i>STATUS</i>
JASPER COUNTY LANDFILL	DWP-108
DOMESTIC	CLOSED
JASPER COUNTY C/C LANDFILL	DWP-907, CWP-007, 271001-1201
DOMESTIC	CLOSED
TOWN OF RIDGELAND	DWP-113
DOMESTIC	INACTIVE

#### **Land Application Sites**

<i>LAND APPLICATION SYSTEM</i>	<i>ND#</i>
<i>FACILITY NAME</i>	<i>TYPE</i>
SPRAYFIELD	ND0067971
TOWN OF RIDGELAND WWTP	DOMESTIC
SPRAY SITES	ND0074004
BJW&SA/CHERRY POINT-OKATIE	DOMESTIC

### *Mining Activities*

<i>MINING COMPANY</i>	<i>PERMIT #</i>
<i>MINE NAME</i>	<i>MINERAL</i>
SOUTHERN AGGREGATES CO., INC.	0016-53
DEERFIELD MINE	SAND

## Growth Potential

There is a high potential for residential growth in this watershed, which contains the western edge of the Town of Ridgeland. I-95 crosses the Town of Ridgeland and may provide some growth to the area. Ridgeland has expanded its regional treatment facility, which was built to address the needs of Del Webb's Sun City and Hilton Head. The proposed expansion is to handle future growth.